

# Public Works Department

## Trunk Sewer Project

### *F A S T F A C T S*



**Project Description:** This is Phase I of a larger project that will increase the capacity of the sewer trunk system between Morgan Hill and the Regional Wastewater Control Facility in Gilroy. Phase I will add 2.1 miles of trunk sewer line along Monterey Rd. between Tennant Avenue to the north and California Ave. to the south.

**Purpose:** The current trunk sewer line is not adequate to handle the flows anticipated from the build out of the community. A new trunk sewer line is needed to ensure that wastewater is safely transported to the treatment facility.

**Construction Start Date and Duration:** The project should begin in mid-May and be completed in approximately six months.

**Contract Amount:** \$4,459,663 with 10% contingency

**Pipe Details:** The City's current trunk sewer line ranges from 18 – 21". The new parallel line will be 30" diameter PVC pipe.

#### **Interesting Construction Details:**

- The new pipe will be buried 10-17' underground. for most of its length;
- A bore hole of approximately 50' will be drilled under Little Llagas Creek to get under the creek;
- As the project crosses Llagas Creek, the trunk line will need to go deeper than in other locations. To accommodate this, three barrel siphon lines will be placed twelve feet under the flowline of Llagas Creek. Each of these horizontally drilled holes will be over 350' in length. The siphons are designed to pull the wastewater up from the depths of the pipe under the Creek and back up to its normal depth.

#### **Important Fact That Many People Don't Know About Sewage**

**Systems:** Unlike potable water systems that rely on pressure to deliver water, wastewater systems rely on gravity almost exclusively to transport wastewater from the source to a treatment facility.

**Traffic Mitigation Efforts:** Much of this construction work will literally be in Monterey Road. In order to minimize traffic disruptions, the City has scheduled the northern edge of the work, where the traffic impact would be most severe, to occur during the nighttime hours. Aside from that, at least one lane will be open at all times and driveway access closures will be limited as much as possible.